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FPS137

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|                          |
|--------------------------|
| Docket No.<br>14053.42.0 |
|--------------------------|

## Declaration and Power of Attorney For Patent Application

### English Language Declaration

As a below named inventor, I hereby declare that:  
My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

### FAST SOLUTION OF INTEGRAL EQUATIONS REPRESENTING WAVE PROPAGATION

the specification of which

(check one)

- ☐ is attached hereto.
- ☒ was filed on November 12, 2003 as United States Application No. 10/706,605 or PCT International Application Number \_\_\_\_\_ and was amended on \_\_\_\_\_ (if applicable)

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119(a)-(d) or Section 365(b) of any foreign application(s) for patent or inventor's certificate, or Section 365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate or PCT International application having a filing date before that of the application on which priority is claimed.

| Prior Foreign Application(s) | Priority Not Claimed |                                 |                          |
|------------------------------|----------------------|---------------------------------|--------------------------|
| _____<br>(Number)            | _____<br>(Country)   | _____<br>(Day/Month/Year Filed) | <input type="checkbox"/> |
| _____<br>(Number)            | _____<br>(Country)   | _____<br>(Day/Month/Year Filed) | <input type="checkbox"/> |
| _____<br>(Number)            | _____<br>(Country)   | _____<br>(Day/Month/Year Filed) | <input type="checkbox"/> |

I hereby claim the benefit under 35 U.S.C. Section 119(e) of any United States provisional application(s) listed below:

|                                   |                        |
|-----------------------------------|------------------------|
| _____<br>(Application Serial No.) | _____<br>(Filing Date) |
| _____<br>(Application Serial No.) | _____<br>(Filing Date) |
| _____<br>(Application Serial No.) | _____<br>(Filing Date) |

I hereby claim the benefit under 35 U.S.C. Section 120 of any United States application(s), or Section 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. Section 112, I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, C.F.R., Section 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application:

|                                   |                        |   |
|-----------------------------------|------------------------|---|
| _____<br>(Application Serial No.) | _____<br>(Filing Date) | _____<br>(Status)<br>(patented, pending, abandoned) |
| _____<br>(Application Serial No.) | _____<br>(Filing Date) | _____<br>(Status)<br>(patented, pending, abandoned) |
| _____<br>(Application Serial No.) | _____<br>(Filing Date) | _____<br>(Status)<br>(patented, pending, abandoned) |

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

This Combined Declaration and Power of Attorney may be executed in one or more counterparts, all of which shall be considered one and the same declaration. The signatures from each counterpart may be combined with a copy of the declaration to constitute the entire declaration.

**POWER OF ATTORNEY:** As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. *(list name and registration number)*

Mary P. Bauman, Registration No. 31,926; Robert Day, Registration No. 34,059; John F. Dohn, Registration No. 45,382; Philip M. Goldman, Registration No. 31,162; Matthew J.S. Graham, Registration No. 34,647; Allen W. Groenke, Registration No. 42,608; James R. Haller, Registration No. 24,906; Natalie D. Kadlevitch, Registration No. 34,196; Philip R. Kohls, Registration No. 51,891; Thomas L. McMasters, Registration No. 45,593; Adams Neblen, Registration No. 32,358; James I. Paige, Registration No. 50,886; John S. Parzych, Registration No. 52,097; Frank P. Piskolich, Registration No. 52,123; Raymond N. Russell, Registration No. 52,185; Charles D. Segelbaum, Registration No. 42,138; Kara K. Smith, Registration No. 49,079; Eric J. Snustad, Registration No. 45,120; Craig F. Taylor, Registration No. 40,199; Jeannine J. Thiele, Registration No. P-54,939; and David C. West, Registration No. 35,735.

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 Craig F. Taylor - 612-492-7000

|  |              |
|--|--------------|
| Full name of sole or first inventor                                | May 20, 2004 |
| TSANG, Leung   | Date         |
| Sole or first inventor's signature                                 |              |
| <i>Leung Tsang</i>   |              |
| Residence  |              |
| 4011 78 <sup>th</sup> Way SE, Mercer Island, WA 98040 USA          |              |
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| United States of America   |              |
| Post Office Address  |              |
| 4011 78 <sup>th</sup> Way SE, Mercer Island, WA 98040 USA          |              |
| Full name of second inventor                                       |              |
| CHEN, Dong   | Date         |
| Second inventor's signature  | May 25, 2004 |
| <i>CHEN Dong</i>   |              |
| Residence  |              |
| Xiang Yin Road, Lane 309, No. 9, Apt. 501, Shanghai, China, 200433 |              |
| Citizenship  |              |
| China  |              |
| Post Office Address  |              |
| Xiang Yin Road, Lane 309, No. 9, Apt. 501, Shanghai, China, 200433 |              |

## ASSIGNMENT

I, Leung TSANG, citizen of the United States of America, residing at 4011 78<sup>th</sup> Way SE, Mercer Island, WA 98040 and I, Dong CHEN citizen of China residing at Xiang Yin Road, Lane 309, No.9, Apt. 501, Shanghai China, 2000433 and I, Qin LI, citizen of China, residing at 5824 NE 75<sup>th</sup> Street, #D103, Seattle, WA 98115 (Assignors) have made an invention relating to **FAST SOLUTION OF INTEGRAL EQUATIONS REPRESENTING WAVE PROPAGATION** and have executed an application for United States Patent based and naming the following inventors: **Leung TSANG, Dong CHEN and Qin LI**, Application No. 10/706,605 filed November 12, 2003. We hereby authorize Craig F. Taylor of 200 South Sixth Street, Suite 4000, Minneapolis, Minnesota, 55402, to insert the Application No. and filing date of said application when known.

In exchange for good and valuable consideration, the receipt of which we now acknowledge, we hereby assign to City University of Hong Kong, a non-profit organization existing under the laws of Hong Kong, Tat Chee Avenue, Kowloon Tong, Kowloon, Hong Kong successors and assigns:

- (1) The entire right, title and interest to the above-identified invention and application, and to each provisional and other application from which this application claims priority in whole or in part;
- (2) The entire right, title and interest to any United States or foreign Letters Patents which may issue with respect to the above identified invention;
- (3) The entire right, title and interest to any renewals, reissues, extensions, substitutions, continuations, continuations-in-part, or divisions that may be filed with respect to the above identified invention and application; and
- (4) The right to apply for Letters Patents in foreign countries in its own name and to claim any priority rights to which such foreign applications are entitled under international conventions, treaties or otherwise.
- (5) The right to enforce patent rights to such application and Letters Patents as fully and entirely as the same would have been held and enjoyed by the Assignors if this assignment had not been made; together with all claims by Assignors for damages by reason of past infringement or for provisional rights and including the right to sue for, and collect the same for its own use and benefit, and for the use and benefit of its successors, assigns, and other legal representatives.

We further agree for ourselves and for our heirs, executors and administrators, to execute and deliver without further consideration any further applications, assignments or other documents and to perform such other lawful acts as City University of Hong Kong its successors and assigns

may deem necessary to fully secure, maintain and enforce its rights, title or interest as outlined herein.

We hereby authorize and request the Commissioner of Patents and Trademarks to issue to City University of Hong Kong any Letters Patents which may be granted in accordance with this Assignment.

This Agreement may be executed in one or more counterparts, all of which shall be considered one and the same agreement. The signatures from each counterpart may be combined with a copy of the Agreement to constitute the entire Agreement.

Dated this 28 day of May, 2004.

Leung Tsang  
Leung Tsang

Subscribed and sworn to before me  
this 28 day of May, 2004.

Notary Public

Elizabeth H. Mo  
ELIZABETH WAI YIN MO

Notary Public

Hong Kong, Special Administrative Region of  
the People's Republic of China

Dated this Tues day of May 25, 2004.

Dong CHEN  
Dong Chen


Subscribed and sworn to before me  
this \_\_\_\_ day of \_\_\_\_\_, 2004.

Notary Public

Dated this 24th day of May, 2004.

[Signature]  
Qin Li

Subscribed and sworn to before me  
this 24th day of MAY, 2004.  
R. D. Hemmeter, Notary Public  
Notary Public

 R. D. HEMMETER  
COMM. # 1308587  
NOTARY PUBLIC - CALIFORNIA  
SACRAMENTO COUNTY  
My Comm. Expires JUN 01, 2005

#29528801

声 明 书 公 证 书

(2004)沪虹证外字第 4647 号

兹证明陈东（男，一九七六年九月十二日出生，  
现居住上海市翔殷路三〇九弄九号五〇一室，户籍所在  
地：上海市延吉东路八十二弄九号五〇五室）于二〇〇  
四年五月二十五日来到我处，在我的面前，在前面的英  
文文字的《专利委托及声明》上签字。

中华人民共和国上海市虹口区公证处

公 证 员

许世东

二〇〇四年五月二十五日



X005874903



Translation

# NOTARIAL CERTIFICATE OF DECLARATION

(2004) H.H.Z.W.Z. No. 4647

This is to certify that CHEN Dong (male, born on September 12, 1976, now residing at Rm. 501, No. 9, Lane 309, Xiangyin Road, Shanghai, having his household registered at Rm. 505, No. 9, Lane 82, Yanji Dong Road, Shanghai) came to this office and subscribed his name on the foregoing Declaration and Power of Attorney For Patent Application in my presence on May 25, 2004.

XU Shidong (Seal)

Notary Public

The People's Republic of China

Shanghai Hongkou District Notary Public Office

(Seal)

Dated: May 25, 2004

X 05878599



证 明 书

(2004)沪虹证外字第 4648 号

兹证明前面的 (2004) 沪虹证外字第 4647 号  
公证书的英文译本内容与该公证书的中文原本相  
符。

中华人民共和国上海市虹口区公证处

公 证 员

许世东

二 0 0 四 年 五 月 十 五 日



X 005874905

Translation

**CERTIFICATE**

(2004) H.H.Z.W.Z. No. 4648

This is to certify that the foregoing English version of NOTARIAL  
CERTIFICATE OF DECLARATION (2004) H.H.Z.W.Z. No. 4647  
is true and faithful to the said original Notarial Certificate in Chinese.

XU Shidong (Seal)

Notary Public

The People's Republic of China

Shanghai Hongkou District Notary Public Office

(Seal)

Dated: May 25, 2004

X 0 05878598

